

**Notice of Allowability**

Application No.

09/916,270

Examiner

Steven S. Paik

Applicant(s)

KUO ET AL.

Art Unit

2876

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the Amendment After Final filed September 02, 2003.
2. ☒ The allowed claim(s) is/are 1, 3-7, 9-12, 14-24 and 26.
3. ☒ The drawings filed on 30 July 2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
  - \* Certified copies not received: \_\_\_\_\_.
5. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
  - (a) ☐ The translation of the foreign language provisional application has been received.
6. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

7. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
8. ☐ CORRECTED DRAWINGS must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No. \_\_\_\_\_.
  - (b) ☐ including changes required by the proposed drawing correction filed \_\_\_\_\_, which has been approved by the Examiner.
  - (c) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet.

9. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |  |   |
|--|---|
| 1 <input type="checkbox"/> Notice of References Cited (PTO-892)  | 2 <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)          |
| 3 <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                    | 4 <input type="checkbox"/> Interview Summary (PTO-413), Paper No. _____.            |
| 5 <input type="checkbox"/> Information Disclosure Statements (PTO-1449), Paper No. _____               | 6 <input type="checkbox"/> Examiner's Amendment/Comment                             |
| 7 <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | 8 <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
|  | 9 <input type="checkbox"/> Other _____  |

## **DETAILED ACTION**

### ***Response to Amendment***

1. Receipt is acknowledged of the Amendment After Final filed September 02, 2003. The Applicant cancelled previously objected claims 2, 8, 13, and 25, amended independent claims 1, 9, and 19, and added a new independent claim.

### ***Allowable Subject Matter***

2. Claims 1, 3-7, 9-12, 14-24, and 26 are allowed.

The following is an examiner's statement of reasons for allowance: none of the cited prior art of the references (Harada et al. (US 5,810,928); Nakasuji et al. (US 5,945,660); Pirelli (USP 5,537,313)), taken alone or in combination of other references, discloses, teaches or fairly suggests a wireless communication system reading barcode information comprising, among other things, software having a function of by-passing bar-code, and the bar-code information further including an identification of the equipment material for checking the wireless controller.

The primary reference Harada et al. discloses an apparatus and a method for interlocking material supply equipment (cylinder box 1 contains gas cylinders 2 and 4 which is considered to be a material supply equipment in semiconductor manufacture system). The apparatus and method comprise a controller measuring gas component concentration of special material gases for semiconductor used in semiconductor production in an actual production process line (inline), and a semiconductor equipment and apparatus for supplying special material gases for semiconductor into which a gas component concentration meter utilizing the measuring method. The apparatus can prevent any accident such as erroneous connection, erroneous piping, or erroneous exchange from occurring. Furthermore, the invention provides an apparatus for

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supplying special material gases for semiconductor which can identify kinds, concentrations, and flow rates of component gases of a mixed gas flowing through a mixed gas pipe line so that the kind, concentration, and flow rate of each component gas supplied from a gas cylinder are checked and prevents any accident such as erroneous connection, erroneous piping, or erroneous exchange from occurring. The system comprises a controller (col. 1, ll. 10-22), a detector that identifies and measures the gas component and concentrations of special material gases for semiconductor (col. 2, ll. 43-65), and a plurality of alarm devices receiving a message (signal, col. 3, ll. 9-13) from the controller (monitor). When any abnormality occurs (alarms function), the electromagnetic valve can be immediately closed. However, the reference is silent about software having a function of by-passing bar-code, and the barcode having information about a material name, a material lot number, a quantity of said material, and an identification of said equipment material for checking the wireless controller. The amended claims have combined the features of previously indicated allowable subject matters with independent claims. Accordingly, one of ordinary skill in the art would not have been motivated to modify teachings of prior art to meet the claimed limitations as set forth in the present claimed invention.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Steven S. Paik whose telephone number is 703-308-6190. The examiner can normally be reached on Mon - Fri (5:30am-2:00pm).

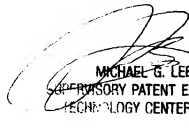
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael G. Lee can be reached on 703-305-3503. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0530.



Steven S. Paik  
Examiner  
Art Unit 2876

ssp



MICHAEL G. LEE  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2800